Remote Sensing Applications Division (RSAD)

CDR Program Office

Weekly Report for Feb 22, 2013
Jeff Privette, Acting Chief

Weekly Report – February 22, 2013

VIIRS

① • Completed code for C-RDR and Support Data..
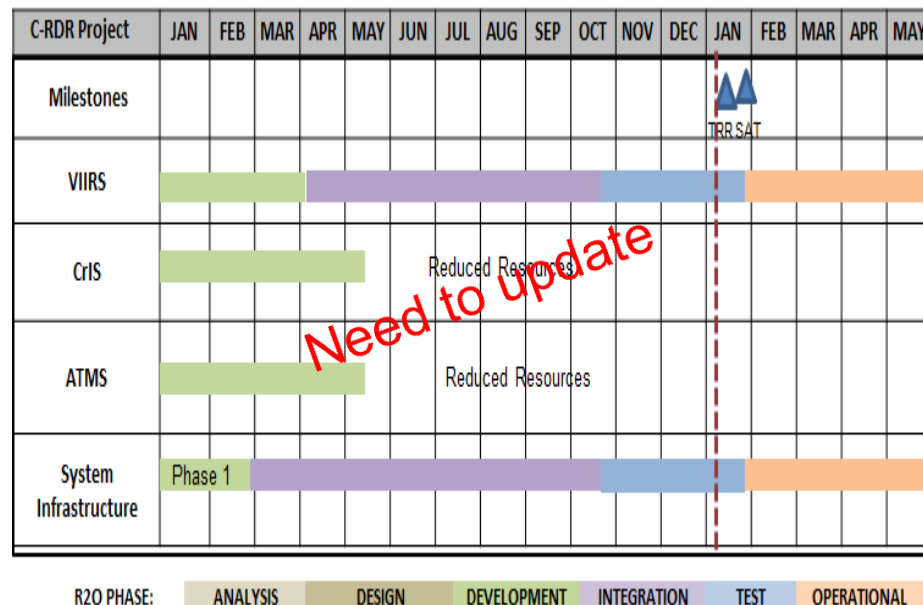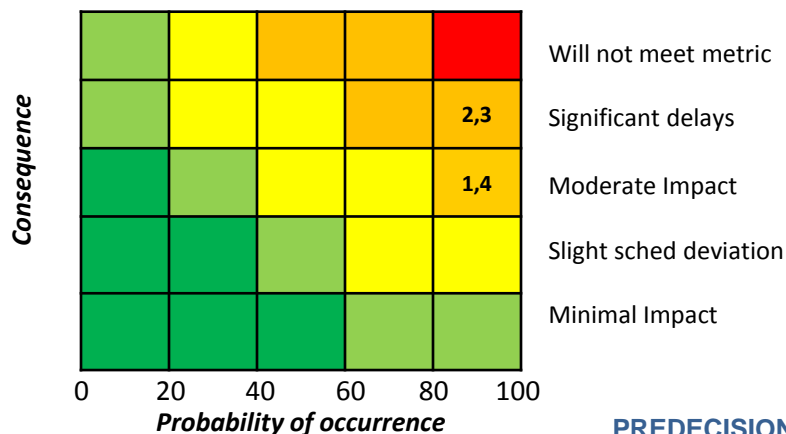
CrIS

② • Postponed.

ATMS

③ • Postponed.

System Infrastructure

④ • Integrating with the VIIRS C-RDR.

- **DAAB provide C-RDR access via HAS. Still negotiating with CLASS.**
- **VIIRS Product Specification undergoing ITAR Review.**
- **ITB security code review complete. They are setting up Test container.**
- **Tracking down isolated anomalies found by comparator.**
- Have tapes for two years of VIIRS C-RDR on HDSS.
- Completed draft the System Acceptance Test procedure.
- Integrating: Ingest data from CLASS and producing C-RDRs.
- Will deliver initial version with ADL 3.1.

C-RDR Project	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
Milestones													TRR SAT				
VIIRS																	
CrIS				Reduced Resources													
ATMS				Reduced Resources													
System Infrastructure	Phase 1																

Need to update

R2O PHASE:	ANALYSIS	DESIGN	DEVELOPMENT	INTEGRATION	TEST	OPERATIONAL

Risk Matrix

Consequence (y-axis, top to bottom): Will not meet metric, Significant delays (2,3), Moderate Impact (1,4), Slight sched deviation, Minimal Impact

Probability of occurrence (x-axis): 0 20 40 60 80 100

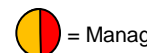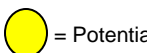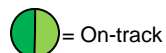## Risk and Mitigation

VIIRS, CrIS, ATMS –
- Resources are being reduced. Delivery of CrIS and ATMS will be delayed.
- Operational software is under maintenance, updated versions may affect C-RDR ported version.

System Infrastructure –
Reliability of NPP RDRs from CLASS. Need to test ingest of RDRs from CLASS and develop an automated mechanism for re-requesting data.

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CDR Program Office
OISST Research to Operations Project
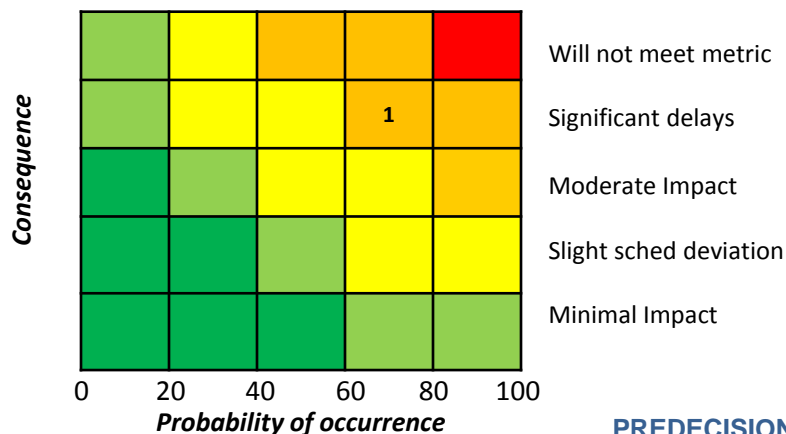
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1 **OISST – Optimum Interpolated Sea Surface Temperature**

- **Updated schedule (ORR did not change)- based on reduced hours and developers working IOC transitions. Parallel ops earlier, enables verification code changes did not affect final product.**
- **Surface Temperature WG discussing OISST inputs and production of near-real time (preliminary) OISST.**
- **Refactoring code (QC, output, control scripts).**
- Created a SOP for operational OISST.
- Conducted Bias, OI main code review.
- Investigating the use of SPEC for product monitoring.
- Evaluating validity/duplicates in compile options & static analysis.
- Defined list of tasks for refactoring of each component.
- Developing tests (functional & component) to verify code.
- Completed testing of static analysis and complexity tools.
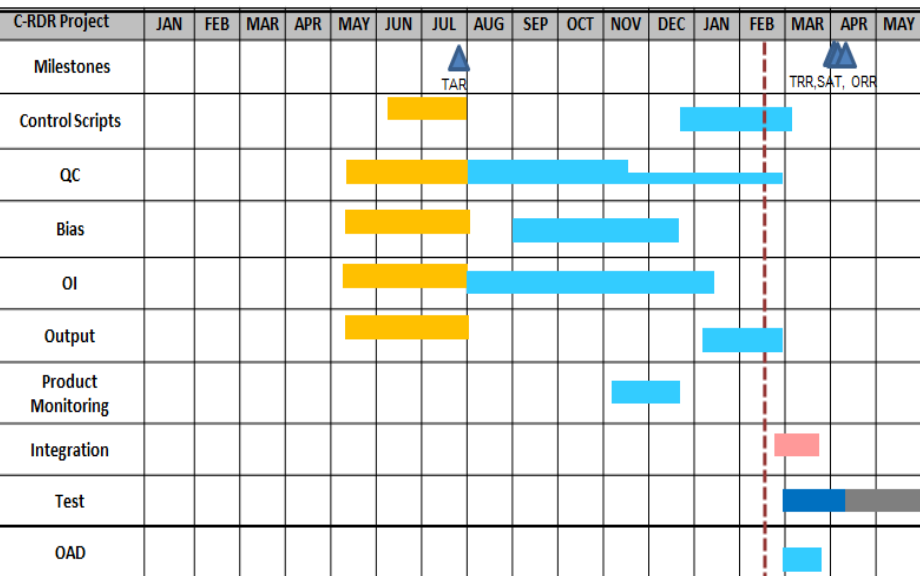- Conducted Technology Assessment Review July 25.

Operations:
- Updated and tested scripts to handle new sea ice data format.

C-RDR Project	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
Milestones							TAR								TRR,SAT, ORR		
Control Scripts																	
QC																	
Bias																	
OI																	
Output																	
Product Monitoring																	
Integration																	
Test																	
OAD																	

R2O PHASE: ANALYSIS | DESIGN | DEVELOPMENT | INTEGRATION | TEST | OPERATIONAL

Risk Matrix

Consequence (y-axis): Will not meet metric / Significant delays / Moderate Impact / Slight sched deviation / Minimal Impact

Probability of occurrence (x-axis): 0 20 40 60 80 100

(Risk "1" plotted in Significant delays row)

Risk and Mitigation

Resource availability for performing the transition.

Configuration Management (CM) process not defined for operations. **CM process is being defined.**

No Quality Assurance team available.

Modifying existing software for internal software changes. Product output must remain unchanged for users. **Run in parallel with current version.**

Common infrastructure for operations is not fully defined. **Common ingest and dissemination implemented.**

OISST processing will be on a 64 bit architecture.

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PREDECISIONAL DRAFT INFORMATION
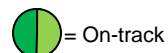
🟢 = On-track   🟡 = Potential management action required   🟠🔴 = Management attention required

Weekly Report – February 22, 2013

1. IOC to FOC / Software Rejuvenation Decision
- GST will prepare its recommendation, no resources to move any CDR to FOC in FY13.

2. OAD Template
- Work in progress but won't complete until next sprint FY13.D.
- Initial development of OAD for OISST, completion next sprint FY13.D in collaboration with Ops Branch.

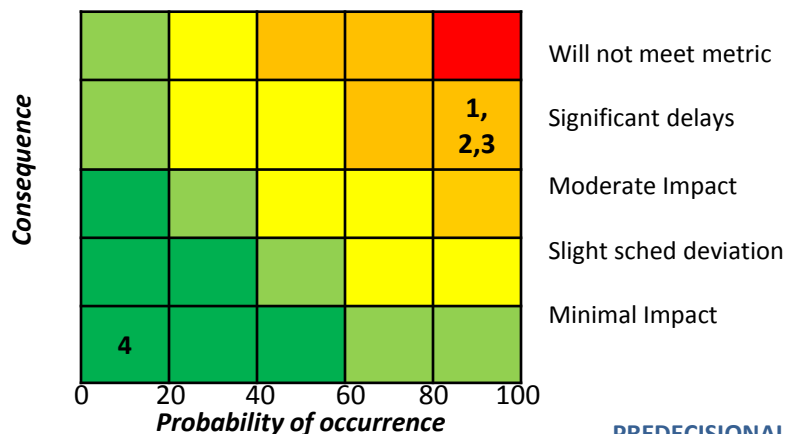### 3. ORR Checklists for IOC (update) and FOC (new)
- Work in progress to develop single checklist to support both IOC and FOC ORRs. Completion next sprint FY13.D.

4. Sprint FY13.C Review Meeting 10am Feb 22 in 473
- All welcome

Algorithm Assessment		Dec				Jan			Feb				Mar				Apr		
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
		15-21	22-28	29-4	5-11	12-18	19-25	26-1	2-8	9-15	16-22	23-1	2-8	9-15	16-22	23-29	30-5	6-11	12-18
Sprint	Principal Focus																		
B	IOC to FOC Selection																		
C	Support for OISST FOC Transition										Slipped 2 weeks							
D	TBD																		
E	TBD																		
F	TBD																		
G	TBD																		
H	TBD																		
I	TBD																		
J	TBD																		
K	TBD																		

Risk Matrix

Consequence (vertical axis): Will not meet metric / Significant delays / Moderate Impact / Slight sched deviation / Minimal Impact

Probability of occurrence (horizontal axis): 0 20 40 60 80 100

(Risk items: 1, 2, 3 at Significant delays / high probability; 4 at Minimal Impact / low probability)

Top Risks and Mitigation

R8. Personnel on task at maximum work load
- Personnel engaged on this task are at maximum work level. More budget challenges could result in the loss of the remaining key personnel and jeopardize the completion of this task.

R10. No sustainable commitment for independent Quality Assurance
- QA will be performed by team. Risk is that this work will not be performed as well as it would be by an experienced, independent QA expert.

RXX. Delays in receiving responses to the seven evaluation criteria will delay the IOC to FOC decision making process.

Risk list to be updated next sprint FY13.D

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